

CLAIMS

We claim:

- 5 1. A flexible wall lining comprising at least one phase change material,
each of said at least one phase change material exhibiting a phase change at a
temperature in the range from 5° to 40°C.
- 10 2. The wall lining of claim 1 wherein the wall lining is in the form of a
sheet, said sheet optionally comprising on one primary side thereof an adhesive
layer for securing said sheet to a wall.
- 15 3. The wall lining of any of claims 1 and 2 wherein the phase change
is endothermic with increasing temperature and exothermic with decreasing
temperature.
4. The wall lining of any of claims 1 to 3 wherein said at least one
phase change material is in the form of particles.
- 20 5. The wall lining of claim 4 wherein said particles have diameters of
from 10 to 120 μm .
6. The wall lining of any of claims 4 and 5 wherein each of said
particles is encapsulated with an impermeable coating, said coating
optionally being flexible.
- 25 7. The wall lining of any of claims 4 to 6 wherein said particles are at
least one of embedded in a layer of the wall lining and adhered to an absorbent
layer of the wall lining.
- 30 8. The wall lining of any preceding claim wherein the wall lining
comprises from 30 to 60% by volume of said at least one phase change
material.

9. The wall lining of any preceding claim wherein said at least one phase change materials is hydrated below the temperature at which it exhibits the phase change.
- 5 10. The wall lining of any preceding claim wherein said at least one phase change materials is a blend of at least two such materials, the temperatures at which each exhibits a phase change differing by at least 1°C.